Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Wednesday 18 Jan 2023 until 23:59 on Thursday 19 Jan 2023

Forecast Issued on Tuesday 17 Jan 2023 at 16:26

Confidence: High for the cold conditions continuing through the next few days then a transition to milder weather over the weekend. The details and timing of the transition will be the main forecasting challenge.

Headline for Wednesday 18 Jan 2023: Dry, bright and cold. Windy on the tops with a severe wind chill.

Mountain weather hazards on Wednesday 18 Jan 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
No Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light snow showers (night)	Light snow showers (night)	Cloudy	Sunny intervals	Sunny intervals	Sunny intervals	Clear night	Clear night
Precipitation probability							
40%	40%	20%	<05%	<05%	<05%	<05%	<05%

Forecast for Wednesday 18 Jan 2023

Weather: Clear spells overnight with snow showers dying out. A dry day with long sunny spells then a clear evening with a widespread frost. Feeling bitterly cold with strong winds on the tops.

Chance of cloud-free hill tops above 600m: 90%.

Low cloud and visibility: Excellent visibility during the day. A few patches low cloud above 300m in the early hours with snow showers, mainly in the west.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Wednesday 18 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/25 W	19/24 W	19/25 W	20/28 W	19/25 W	17/24 NW	16/25 NW	16/26 NW	14/21 W
300	14/18 W	13/19 W	13/20 W	13/21 W	15/21 NW	13/19 NW	14/22 NW	11/20 NW	10/15 W
Valley	8/18 W	8/17 W	6/17 W	6/18 W	10/21 NW	8/18 NW	6/16 NW	7/19 NW	4/12 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-10	-2/-10	-3/-10	-3/-10	-1/-8	-1/-8	-2/-9	-3/-10	-4/-10
300	-1/-6	-0/-6	-0/-6	-0/-6	2/-4	2/-3	0/-5	-1/-6	-1/-6
Valley	-0/-5	-0/-4	-0/-3	-0/-3	2/-2	2/-1	0/-3	-1/-5	-2/-5
Freezing Level*	200m	200m	200m	100m	300m	300m	200m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling bitterly cold especially in exposure to the brisk northwesterly winds on higher slopes.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Tue 17 Jan 2023	0mm	1.8mm	7.8mm

Forecast for Thursday 19 Jan 2023

Weather: Clear spells and widespread frost overnight but a few snow showers arriving later. Mostly cloudy with a few snow showers in the morning then a brighter afternoon with showers dying out. A clear evening with another widespread frost.

Maximum wind: West or Northwest 10 to 15mph, gusts 25mph.

Chance of cloud-free hill tops above 600m: 40% in morning becoming 80% in afternoon.

Low cloud and visibility: Mainly very good visibility. A few patches of low cloud in the morning, mostly over western hills in any showers.

Temperature: **Valleys:** Minus 2C rising to 3C.
At 600m: Minus 4C rising to Minus 1C during daytime.
Freezing level: Valley level, rising to 300m for a time during daytime.

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